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**IN - LEE S M; PARK J S**

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**PA - (KOKU-N) KOREA KUMHO PETROCHEMICAL CO LTD**

**PN - KR373183 B 20030225 DW200345 C08K3/00 000pp**

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**XA - C2002-194554**

**XIC - C08K-003/00**

**AB - KR2002029157 NOVELTY - Provided is a process for producing polymer nanocomposites by intercalating polymers between organized montmorillonites easily by using a solvent method and a compounding method.**

**- DETAILED DESCRIPTION - The process for producing the polymer nanocomposites comprises the steps of: preparing a master batch by dissolving 100pts.wt. of a polymer resin such as polypropylene or polystyrene in 100-600pts.wt. of a solvent such as xylene or tetrahydrofuran and then mixing the solution with 50-100pts.wt. of the organized montmorillonites and drying; mixing and melting the master batch and the polymer resin, wherein the organized montmorillonites of the master batch is 5-10pts.wt. based on the 100pts.wt. of the polymer resin.**

**- (Dwg.1/10)**

**IW - PROCESS PRODUCE POLYMER**

**IKW - PROCESS PRODUCE POLYMER**

**INW - LEE S M; PARK J S**

**NC - 001**

**OPD - 2000-10-12**

**ORD - 2002-04-18**

**PAW - (KOKU-N) KOREA KUMHO PETROCHEMICAL CO LTD**

**TI - Process for producing polymer nanocomposites**